

## Regional HIV/AIDS Epidemiologic Profile of Boston Health Service Region, Massachusetts: FY 2008

**Table 1. Total number of people reported with HIV infection or AIDS<sup>1</sup> by mortality status on December 31, 2007 Boston Health Service Region, Massachusetts**

	<b>N</b>	<b>%</b>
People Living with HIV/AIDS	5,444	57%
People Reported with HIV or AIDS who are Deceased	4,145	43%
Total Number of People Reported with HIV Infection or AIDS	<b>9,589</b>	<b>100%</b>

<sup>1</sup> Does not include individuals diagnosed with HIV infection (non-AIDS) who died prior to January 1, 1999 or who were not in care on January 1, 1999.

Data Source: MDPH HIV/AIDS Surveillance Program, Data as of 1/1/08

**Table 2. Average annual rate of HIV infection diagnosis from 2004 to 2006 and rate of people living with HIV/AIDS on 12/31/07<sup>1</sup>: Boston Health Service Region, Massachusetts**

<b>Average annual HIV diagnosis rate from 2004–2006</b>	<b>Average Rate per 100,000</b>	<b>Average Number of HIV Diagnoses</b>
Boston Health Service Region, MA	36 per 100,000	268
Massachusetts Total	13 per 100,000	857
<b>Rate of people living with HIV/AIDS on 12/31/07</b>	<b>Rate per 100,000</b>	<b>Number of People Living with HIV/AIDS</b>
Boston Health Service Region, MA	729 per 100,000	5,445
Massachusetts Total	267 per 100,000	16,977

<sup>1</sup> Population sizes for rate calculations are based on year 2000 population estimates from the MDPH Center for Health Information, Statistics, Research and Evaluation

Data Source: MDPH HIV/AIDS Surveillance Program, Data as of 1/1/08

**Table 3. People living with HIV/AIDS<sup>1</sup>, deaths among people reported with HIV/AIDS, and newly diagnosed HIV infections by year<sup>2</sup>: 1999–2006, Boston Health Service Region, Massachusetts**

<b>Year</b>	<b>HIV/AIDS Prevalence</b>	<b>Deaths among those with HIV/AIDS</b>	<b>Diagnosis of HIV Infection</b>
1999	3,881	106	375
2000	4,159	108	386
2001	4,359	120	320
2002	4,611	111	363
2003	4,818	112	319
2004	5,025	91	298
2005	5,231	89	295
2006	5,364	79	212

<sup>1</sup> Number of People living with HIV/AIDS on 12/31 of each year

<sup>2</sup> Reflects year of diagnosis for HIV infection among all individuals reported with HIV infection, with or without an AIDS diagnosis  
Data source: MDPH HIV/AIDS Surveillance Program, Data as of 1/1/08

**Table 4. People diagnosed with HIV infection from 2004–2006<sup>1</sup> and people living with HIV/AIDS on December 31, 2007 by gender, place of birth, race/ethnicity, exposure mode, age at HIV infection diagnosis and current age: Boston Health Service Region, Massachusetts**

HIV Infection Diagnoses			PLWH/A	
Gender:	N	%	N	%
Male	637	79%	4,164	76%
Female	168	21%	1,281	24%
Place of Birth:	N	%	N	%
US	536	67%	3,843	71%
Puerto Rico/US Dependency <sup>2</sup>	38	5%	356	7%
Non-US	231	29%	1,246	23%
Race/Ethnicity:	N	%	N	%
White (non-Hispanic)	304	38%	2,275	42%
Black (non-Hispanic)	315	39%	2,061	38%
Hispanic	172	21%	1,002	18%
Other/Undetermined <sup>3</sup>	14	2%	107	2%
Exposure Mode:	N	%	N	%
Male-to-male sex (MSM)	402	50%	2,513	46%
Injection Drug Use (IDU)	68	8%	907	17%
MSM/IDU	14	2%	176	3%
Heterosexual Sex	59	7%	600	11%
Other	6	1%	104	2%
Total Undetermined	256	32%	1,145	21%
• Presumed Heterosexual Sex <sup>4</sup>	158	20%	825	15%
• Undetermined <sup>5</sup>	98	12%	320	6%
Age:	N	%	N	%
	At Diagnosis		On December 31, 2007	
Under 13	5	1%	17	<1%
13 to 19	12	1%	47	1%
20 to 24	62	8%	71	1%
25 to 29	98	12%	182	3%
30 to 34	119	15%	346	6%
35 to 39	151	19%	673	12%
40 to 44	165	20%	1,132	21%
45 to 49	97	12%	1,209	22%
50 to 54	43	5%	906	17%
55 to 59	25	3%	403	7%
60+	28	3%	459	8%
<b>Total</b>	<b>805</b>	<b>100%</b>	<b>5,445</b>	<b>100%</b>

<sup>1</sup> Reflects year of HIV infection diagnosis among all individuals reported with HIV infection, with or without an AIDS

<sup>2</sup> Ninety-five percent of all people diagnosed with HIV infection in MA who were born in a US dependency were born in Puerto Rico, 1% were born in the US Virgin Islands, <1% were born in American Samoa, and 4% were born in an unknown dependency

<sup>3</sup> Other/Undetermined includes Asian/Pacific Islander, American Indian/Alaska Native and people of unspecified race/ethnicity

<sup>4</sup> Heterosexual sex with partners with unknown risk and HIV status

<sup>5</sup> Includes those still being followed up for risk information, those who have died with no determined risk, and those lost to follow-up  
Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 1/1/08

**Table 5. People living with HIV/AIDS on December 31, 2007 by gender and race/ethnicity: Boston Health Service Region, Massachusetts**

Race/Ethnicity:	Male		Female	
	N	%	N	%
White Non-Hispanic	2,082	50%	193	15%
Black Non-Hispanic	1,239	30%	822	64%
Hispanic	762	18%	240	19%
Other/Undetermined <sup>1</sup>	81	2%	26	2%
<b>Total</b>	<b>4,164</b>	<b>100%</b>	<b>1,281</b>	<b>100%</b>

<sup>1</sup> Other/Undetermined includes Asian/Pacific Islander, American Indian/Alaska Native and people of unspecified race/ethnicity

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 1/1/08

**Table 6. People living with HIV/AIDS on December 31, 2007 by gender and exposure mode: Boston Health Service Region, Massachusetts**

Exposure Mode:	Male		Female	
	N	%	N	%
Male-to-male sex (MSM)	2,513	60%	N/A	N/A
Injection drug use (IDU)	621	15%	286	22%
MSM/IDU	176	4%	N/A	N/A
Heterosexual sex	194	5%	406	32%
Other	55	1%	49	4%
Total Undetermined	605	15%	540	42%
• Presumed heterosexual sex <sup>1</sup>	394	9%	431	34%
• Undetermined <sup>2</sup>	211	5%	109	9%
<b>Total</b>	<b>4,164</b>	<b>100%</b>	<b>1,281</b>	<b>100%</b>

<sup>1</sup> Heterosexual sex with partners with unknown risk and HIV status

<sup>2</sup> Includes those still being followed up for risk information, those who have died with no determined risk, and those lost to follow-up; N/A=Not Applicable

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 1/1/08

**Table 7. People diagnosed with HIV infection by gender and year of diagnosis: Boston Health Service Region, Massachusetts, before 1999, 1999–2006<sup>1</sup>**

	Male		Female		Total
	N	%	N	%	
< 1999	5,648	81%	1,290	19%	<b>6,938</b>
1999	256	68%	119	32%	<b>375</b>
2000	280	73%	106	27%	<b>386</b>
2001	243	76%	77	24%	<b>320</b>
2002	266	73%	97	27%	<b>363</b>
2003	231	72%	88	28%	<b>319</b>
2004	227	76%	71	24%	<b>298</b>
2005	226	77%	69	23%	<b>295</b>
2006 <sup>2</sup>	184	87%	28	13%	<b>212</b>

<sup>1</sup> Reflects year of HIV infection diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis

<sup>2</sup> 2006 data are preliminary

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 1/1/08

**Table 8. People diagnosed with HIV infection by race/ethnicity and year of diagnosis: Boston Health Service Region, Massachusetts, before 1999, 1999–2006<sup>1</sup>**

	White NH		Black NH		Hispanic		Other/ Undetermined <sup>2</sup>		Total
	N	%	N	%	N	%	N	%	
< 1999	3,501	50%	2,474	36%	902	13%	61	1%	<b>6,938</b>
1999	137	37%	155	41%	70	19%	13	3%	<b>375</b>
2000	127	33%	174	45%	71	18%	14	4%	<b>386</b>
2001	122	38%	142	44%	46	14%	10	3%	<b>320</b>
2002	134	37%	151	42%	68	19%	10	3%	<b>363</b>
2003	117	37%	128	40%	69	22%	5	2%	<b>319</b>
2004	111	37%	129	43%	52	17%	6	2%	<b>298</b>
2005	97	33%	117	40%	76	26%	5	2%	<b>295</b>
2006 <sup>3</sup>	96	45%	69	33%	44	21%	3	1%	<b>212</b>

<sup>1</sup> Reflects year of HIV infection diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis

<sup>2</sup> Other/Undetermined includes Asian/Pacific Islander, American Indian/Alaska Native and people of unspecified race/ethnicity

<sup>3</sup> 2006 data are preliminary

NH = Non-Hispanic

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 1/1/08

**Table 9. People diagnosed with HIV infection by place of birth and year of diagnosis: Boston Health Service Region, Massachusetts, before 1999, 1999–2006<sup>1</sup>**

	US		Puerto Rico/ US Dependency <sup>2</sup>		Non-US		Total
	N	%	N	%	N	%	
< 1999	5,513	79%	487	7%	938	14%	6,938
1999	261	70%	22	6%	92	25%	375
2000	238	62%	22	6%	126	33%	386
2001	219	68%	12	4%	89	28%	320
2002	228	63%	14	4%	121	33%	363
2003	210	66%	17	5%	92	29%	319
2004	206	69%	9	3%	83	28%	298
2005	190	64%	19	6%	86	29%	295
2006 <sup>3</sup>	140	66%	10	5%	62	29%	212

<sup>1</sup> Reflects year of HIV infection diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis

<sup>2</sup> Ninety-five percent of all people diagnosed with HIV infection in MA who were born in a US dependency were born in Puerto Rico, 1% were born in the US Virgin Islands, <1% were born in American Samoa, and 4% were born in an unknown dependency

<sup>3</sup> 2006 data are preliminary

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 1/1/08

**Table 10. People diagnosed with HIV infection by exposure mode and year of diagnosis: Boston Health Service Region, Massachusetts, before 1999, 1999–2006<sup>1</sup>**

	MSM		IDU		MSM/ IDU		HTSX		Other		Pres. HTSX <sup>2</sup>		Undeter- mined <sup>3</sup>		Total
	N	%	N	%	N	%	N	%	N	%	N	%	N	%	N
<1999	3,388	49%	1,769	25%	301	4%	572	8%	177	3%	511	7%	220	3%	6,938
1999	141	38%	75	20%	10	3%	57	15%	7	2%	69	18%	16	4%	375
2000	148	38%	53	14%	5	1%	52	13%	2	1%	97	25%	29	8%	386
2001	132	41%	44	14%	6	2%	36	11%	1	0%	74	23%	27	8%	320
2002	151	42%	43	12%	12	3%	61	17%	3	1%	67	18%	26	7%	363
2003	134	42%	34	11%	7	2%	35	11%	3	1%	67	21%	39	12%	319
2004	132	44%	28	9%	6	2%	23	8%	3	1%	65	22%	41	14%	298
2005	144	49%	29	10%	5	2%	23	8%	2	1%	55	19%	37	13%	295
2006 <sup>4</sup>	126	59%	11	5%	3	1%	13	6%	1	0%	38	18%	20	9%	212

<sup>1</sup> Reflects year of HIV infection diagnosis among all individuals reported with HIV infection, with or without an AIDS diagnosis

<sup>2</sup> Heterosexual sex with partners with unknown risk and HIV status

<sup>3</sup> Includes those still being followed up for risk information, those who have died with no determined risk and those lost to follow-up

<sup>4</sup> 2006 data are preliminary

MSM = Male-to-Male Sex; IDU = Injection Drug Use; MSM/IDU = Male-to-Male Sex and Injection Drug Use; HTSX = Heterosexual Sex; Pres. HTSX = Presumed Heterosexual Sex

Data Source: MDPH HIV/AIDS Surveillance Program (percentages may not add up to 100% due to rounding), Data as of 1/1/08

**Table 11. People diagnosed with HIV infection and AIDS within two months and all people diagnosed with HIV infection by year of diagnosis: Boston Health Service Region, Massachusetts, 1999–2006<sup>1</sup>**

	HIV and AIDS diagnosed within 2 months	All HIV infection diagnoses	% diagnosed with HIV and AIDS within 2 months
Year:	N	N	%
1999	114	375	30%
2000	97	386	25%
2001	72	320	23%
2002	84	363	23%
2003	86	319	27%
2004	69	298	23%
2005	69	295	23%
2006	60	212	28%

<sup>1</sup> Reflects year of HIV diagnosis among all individuals reported with HIV infection, with or without an AIDS  
Data Source: MDPH HIV/AIDS Surveillance Program, Data as of 1/1/08

**Table 12. People diagnosed with HIV infection and AIDS within two months and all people diagnosed with HIV infection by gender, race/ethnicity, and place of birth: Boston Health Service Region, Massachusetts, 2004–2006<sup>1</sup>**

	HIV and AIDS diagnosed within 2 months	All HIV infection diagnoses	% diagnosed with HIV and AIDS within 2 months
<b>Gender:</b>	<b>N</b>	<b>N</b>	<b>%</b>
Male	158	637	25%
Female	40	168	24%
<b>Race/Ethnicity:</b>	<b>N</b>	<b>N</b>	<b>%</b>
White (non-Hispanic)	58	304	19%
Black (non-Hispanic)	91	315	29%
Hispanic	47	172	27%
Other/Undetermined <sup>2</sup>	2	14	14%
<b>Place of Birth:</b>	<b>N</b>	<b>N</b>	<b>%</b>
US	113	536	21%
Puerto Rico/US Dependencies <sup>3</sup>	9	38	24%
Non-US	76	231	33%
<b>Total</b>	<b>198</b>	<b>805</b>	<b>25%</b>

<sup>1</sup> Reflects year of HIV diagnosis among all individuals reported with HIV infection, with or without an AIDS

<sup>2</sup> Other/Undetermined includes Asian/Pacific Islander, American Indian/Alaska Native and people of unspecified race/ethnicity

<sup>3</sup> Ninety-five percent of all people diagnosed with HIV infection in MA who were born in a US dependency were born in Puerto Rico, 1% were born in the US Virgin Islands, <1% were born in American Samoa, and 4% were born in an unknown dependency

Data Source: MDPH HIV/AIDS Surveillance Program, Data as of 1/1/08